

## ALL CAPACITIES SHOWN ARE THE MINIMUM REQUIREMENTS

<b>Event Type</b>	<b>Handheld Foam</b>	<b>Handheld Powder</b>	<b>Plumbed System Zero 2000</b>	<b>Handheld Zero 360 Gas</b>	<b>Plumbed System Zero 360Gas</b>	<b>Additional Information</b>
<b>Circuit Racing - National MSA</b>			2.25 litres		2.25kg	Electric or mechanical discharge. MSA regulations changed 1.1.2006, see notes below
<b>Circuit Racing – International FIA GT, Super 2000Cars</b>			4.0 litres		2.25kg	Electric or mechanical discharge. Electric recommended.
<b>Circuit Racing – International FIA Super Production Cars</b>	2 x 2.4 litres	2 x 2.0kg		2 x 2.0kg		Minimum 4kg handheld or equivalent. Plumbed system recommended.
<b>Circuit Racing – International FIA Racing and Sports Cars</b>			3.12 litres or 3.375 litres		2.25kg	Electric or mechanical discharge. Electric recommended.
<b>Historic Racing - National MSA – Pre 31.12.60</b>	1.75 litres			2.0kg		Plumbed system recommended.
<b>Historic Racing - National MSA – Post 31.12.60</b>			2.25 litres		2.25kg	Electric or mechanical discharge. Electric recommended.

<b>Historic Racing – International FIA</b>	2.4 litres	2.0kg	4.0 litres	2.0kg	2.25kg	System plus handheld required.
<b>Stage Rally – National MSA</b>	1.75 litres		2.25 litres	2.0kg	2.25kg	System plus handheld required.
<b>Stage Rally – International FIA</b>	2.4 litres	2.0kg	4.0 litres	2.0kg	3.0kg	System plus handheld required.
<b>Historic Stage Rally – National MSA</b>	1.75 litres		2.25 litres	2.0kg	2.25kg	System plus handheld required.
<b>Historic Rally – International FIA</b>	2.4 litres	2.0kg		2.0kg		Plumbed system recommended. Includes road and stage rallies.
<b>Road Rally – National MSA</b>						Handheld recommended.
<b>Autocross / Rallycross – National MSA</b>	1.75 litres			2.0kg		Plumbed system recommended.
<b>Autocross / Rallycross – International FIA</b>			4.0 litres		2.25kg	Electric or mechanical discharge. Electric recommended.
<b>Sprint / Hillclimb – National MSA</b>						Plumbed system recommended discharge to engine and cockpit

<b>Off Road – National MSA</b>	1.75 litres			2.0kg		Plumbed system recommended.
<b>Off Road (Cross Country) – International FIA</b>	2.4 litres		4.0 litres	2.0kg	2.25kg	System plus handheld required.
<b>Trials Cars – National MSA</b>						Handheld recommended.
<b>Karting – National MSA</b>	2.0 litres <i>Please call</i>					ABkC regulations require an EN3 /55B approved unit in each paddock awning.

## Notes:

1. Always check MSA and FIA regulations for full requirement definition. The information is compiled from best available sources and is provided for guidance only.
2. It should be noted that MSA regulations have changed and it is now mandatory for UK circuit race cars to carry a plumbed in system unless subject of MSA waiver (typically historic race cars).
3. Where applicable there is a choice between the type of handheld and the type of system to be used. For example a 2.4 litre foam or 2kg powder handheld will satisfy minimum FIA requirements – you do not need both. Equally there is a choice between Zero 2000 or Zero 360 (gas) systems.
4. The types of system and handheld extinguishers can be mixed, for example a Zero 360 gas system can be combined with a foam handheld in FIA and MSA events, and vice versa.
5. The MSA does not permit the use of powder extinguishers in cars. This applies to National sanctioned events only.
6. Two smaller handheld units can be combined to reach the minimum quantity, for example 2 x 1.75 litres satisfies the FIA 2.4litres minimum.
7. The FIA requires 2 metal straps and metal clips for handheld mounting.
8. When ordering please advise if you need higher level of anti-freeze or alcohol additive in Zero 2000 for ethanol/methanol based fuel types.